

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1621MXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002

NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific

research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:00:46 ON 12 NOV 2002

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:00:58 ON 12 NOV 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 NOV 2002 HIGHEST RN 472955-11-6

DICTIONARY FILE UPDATES: 10 NOV 2002 HIGHEST RN 472955-11-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 481-53-8/rn

L1 1 481-53-8/RN

=> d L1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 481-53-8 REGISTRY

CN 4H-1-Benzopyran-4-one, 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)- (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Flavone, 4',5,6,7,8-pentamethoxy- (7CI, 8CI)

CN Tangeretin (6CI)

OTHER NAMES:

CN 4',5,6,7,8-Pentamethoxyflavone

CN 5,6,7,8,4'-Pentamethoxyflavone

CN Ponkanetin

CN Tangeritin

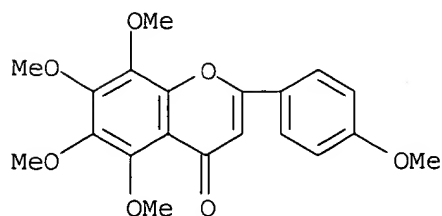
MF C20 H20 O7

CI COM

LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDb, IPA, MEDLINE, NAPRALERT, PROMT, RTECS*, SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

302 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

302 REFERENCES IN FILE CAPLUS (1962 TO DATE)

14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 478-01-3/rn

L2 1 478-01-3/RN

=> d L2

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 478-01-3 REGISTRY

CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy- (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Flavone, 3',4',5,6,7,8-hexamethoxy- (7CI, 8CI)

CN Nobiletin (6CI)

OTHER NAMES:

CN 3',4',5,6,7,8-Hexamethoxyflavone

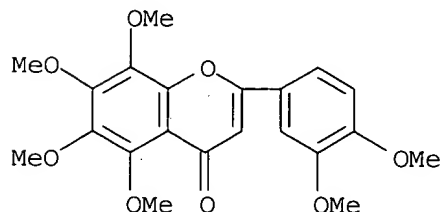
CN 5,6,7,8,3',4'-Hexamethoxyflavone

MF C21 H22 O8

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHM,
DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT,
PROMT, SPECINFO, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

251 REFERENCES IN FILE CA (1962 TO DATE)

252 REFERENCES IN FILE CAPLUS (1962 TO DATE)

14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s L1 or L2
L3 2 L1 OR L2

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
3.92	4.13

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:01:56 ON 12 NOV 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 12 Nov 2002 . VOL 137 ISS 20
FILE LAST UPDATED: 11 Nov 2002 (20021111/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s L3
L4 372 L3

=> s L4 and cosmetic
41105 COSMETIC
42060 COSMETICS
55775 COSMETIC
(COSMETIC OR COSMETICS)
L5 6 L4 AND COSMETIC

=> d L5 1-6 ibib,kwic,abs

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:688094 CAPLUS
DOCUMENT NUMBER: 137:221780
TITLE: Method for prevention of decomposition of citral in
cosmetics or foods
INVENTOR(S): Muranishi, Shuichi; Ueno, Kazuo; Kiyohara, Susumu;
Masuda, Hideki
PATENT ASSIGNEE(S): Ogawa and Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2002255778	A2	20020911	JP 2001-51923	20010227
TI	Method for prevention of decomposition of citral in cosmetics or foods				
AB	The invention relates to a method for prevention of decompn. of citral in a cosmetic or a food compn. due to light irradiation during storage, wherein method includes addition of at least one component selected.				
ST	citral decompn prevention food cosmetic additive				
IT	Artemisia				
	Mint				
	Orange				
	(ext.; prevention of decompn. of citral in cosmetics or foods by addition of specified components)				
IT	Cosmetics				
	(lotions; prevention of decompn. of citral in cosmetics or foods by addition of specified components)				
IT	Artemisia princeps				
	Beverages				
	Desserts				
	Food preservatives				
	Grapefruit				
	Lemon (Citrus limon)				
	Mandarin orange				
	Mouthwashes				
	Peppermint (Mentha piperita)				
	Preservatives				
	(prevention of decompn. of citral in cosmetics or foods by addition of specified components)				
IT	117-39-5, Quercetin 331-39-5, Caffeic acid 478-01-3 , Nobiletin 480-40-0, Chrysin 481-53-8 , Tangeretin 487-24-1, Pratol 520-18-3, Kaempferol 520-33-2, Hesperetin 522-12-3, Quercitrin 530-59-6, Sinapic acid 1135-24-6, Ferulic acid 1182-34-9, Dicafeoyl quinic acid 2450-53-5, 3,5-Dicafeoyl quinic acid 5373-11-5, Luteolin-7-glucoside 5392-40-5, Citral 6665-83-4, 6-Hydroxyflavone 6665-86-7, 7-Hydroxyflavone 11042-64-1, .gamma.-Orizanol 17912-87-7, Myricitrin 20283-92-5, Rosmarinic acid 25429-38-3, Coumaric acid 38183-03-8, 7,8-Dihydroxyflavone 119279-30-0, Heptamethoxyflavone 130603-71-3, .alpha.-Glucosyl rutin				
	RL: COS (Cosmetic use); FFD (Food or feed use); BIOL (Biological study); USES (Uses)				
	(prevention of decompn. of citral in cosmetics or foods by addition of specified components)				
AB	The invention relates to a method for prevention of decompn. of citral in a cosmetic or a food compn. due to light irradiation during storage, wherein method includes addition of at least one component selected from a group consisting of mint ext., Artemisia ext, orange ext, lemon ext, grapefruit ext, caffeic acid, ferulic acid, sinapic acid, rosmarinic acid, dicafeoyl quinic acid, coumaric acid, .alpha.-glucosyl rutin, quercetin, myricitrin, quercitrin, .gamma.-orizanol, kaempferol, hesperetin, chrysin, luteolin-7-glucoside, 6-hydroxyflavone, 7-hydroxyflavone, pratol, and 7,8-hydroxyflavone in the compn. A mouthwash compn. contg. ethanol 15, glycerin 10, polyoxyethylene 2, sodium saccharinate 0.15, sodium benzoate 0.05, citral-contg. fragrance 0.3, sodium dihydrogen phosphate 0.1, pigments 0.2, 1 % quercetin soln. 0.05, and water balance to 100 % was prepd.				

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:649975 CAPLUS

DOCUMENT NUMBER: 137:190381

TITLE: Skin-lightening **cosmetics** containing polymethoxyflavones and fatty acids

INVENTOR(S): Ishida, Misaki; Hayashi, Shinji; Hashizume, Satoshi
 PATENT ASSIGNEE(S): Nof Corporation, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002241213	A2	20020828	JP 2001-39744	20010216

OTHER SOURCE(S): MARPAT 137:190381

TI Skin-lightening **cosmetics** containing polymethoxyflavones and fatty acids

AB The **cosmetics**, which show prevention of spot, freckle, or wrinkle formation, contain (a) polymethoxyflavones I (A = H, OMe; B = H, . . . and (c) fatty acids contg. .gtoreq.80 wt.% cis-.DELTA.9-octadecenoic acid (II) and .gtoreq.85 wt.% cis-.DELTA.9 unsatd. fatty acids 0.01-50 wt.%. A **cosmetic** was prepd. from 5,6,7,8,3',4'-hexamethoxyflavone (extd. from citrus peel) 0.1, C-Mate (ascorbic acid phosphate Mg salt) 3, Extra OS 85 (fatty. . .

ST skin lightening **cosmetic** polymethoxyflavone octadecenoic acid; ascorbate skin lightening **cosmetic** flavone polymethoxy

IT Placental hormones
 Tocopherols
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (skin-lightening agent; skin-lightening **cosmetics** contg. polymethoxyflavones and fatty acids)

IT **Cosmetics**
 (skin-lightening; skin-lightening **cosmetics** contg. polymethoxyflavones and fatty acids)

IT Fatty acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (unsatd.; skin-lightening **cosmetics** contg. polymethoxyflavones and fatty acids)

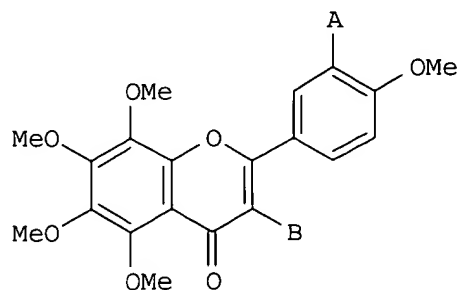
IT 108910-78-7, Ascorbic acid phosphate magnesium salt
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (skin-lightening agent, C-Mate; skin-lightening **cosmetics** contg. polymethoxyflavones and fatty acids)

IT 58-95-7, Tocopherol acetate 65-23-6, Pyridoxine 68-26-8, Retinol 79-81-2, Vitamin A palmitate 123-31-9, Hydroquinone, biological studies 123-99-9, Azelaic acid, biological studies 476-66-4, Ellagic acid 497-76-7, Arbutin 501-30-4, Kojic acid 621-82-9, Cinnamic acid, biological studies 3416-24-8, Glucosamine
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (skin-lightening agent; skin-lightening **cosmetics** contg. polymethoxyflavones and fatty acids)

IT 111-62-6 112-80-1, cis-.DELTA.9-Octadecenoic acid, biological studies 392657-20-4, Extra OS 85 392657-21-5, Nofable EO 85S
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (skin-lightening **cosmetics** contg. polymethoxyflavones and fatty acids)

IT **478-01-3P**, 5,6,7,8,3',4'-Hexamethoxyflavone **481-53-8P**, 5,6,7,8,4'-Pentamethoxyflavone
 RL: COS (Cosmetic use); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (skin-lightening **cosmetics** contg. polymethoxyflavones and fatty acids)

GI



I

AB The **cosmetics**, which show prevention of spot, freckle, or wrinkle formation, contain (a) polymethoxyflavones I (A = H, OMe; B = H, OMe, OGly; Gly = sugar residue) 0.00005-10, (b) .gtoreq.1 compds. chosen from ascorbic acids, placental exts., kojic acids, ellagic acids, hydroquinones, retinols, tocopherols, glucosamines, azelaic acids, pyridoxines, and cinnamic acids 0.01-10, and (c) fatty acids contg. .gtoreq.80 wt.% cis-.DELTA.9-octadecenoic acid (II) and .gtoreq.85 wt.% cis-.DELTA.9 unsatd. fatty acids 0.01-50 wt.%. A **cosmetic** was prepd. from 5,6,7,8,3',4'-hexamethoxyflavone (extd. from citrus peel) 0.1, C-Mate (ascorbic acid phosphate Mg salt) 3, Extra OS 85 (fatty acids contg. 87% II) 0.5, glycerin 4, polyoxyethylene sorbitan monooleate 1, tri-Na citrate 0.5, EDTA-4Na 0.1, and H2O to 100 wt.%.

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:780403 CAPLUS

DOCUMENT NUMBER: 135:322547

TITLE: **Cosmetic** compositions containing polymethoxyflavones

INVENTOR(S): Ishida, Misaki; Sato, Saori; Hashizume, Ron; Hayashi, Shinji

PATENT ASSIGNEE(S): NOF Corporation, Japan

SOURCE: Eur. Pat. Appl., 22 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1147764	A2	20011024	EP 2001-109611	20010418
EP 1147764	A3	20020320		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002003363	A2	20020109	JP 2001-118479	20010417
US 2002016358	A1	20020207	US 2001-837129	20010418
CN 1318366	A	20011024	CN 2001-115322	20010419

PRIORITY APPLN. INFO.: JP 2000-117519 A 20000419

OTHER SOURCE(S): MARPAT 135:322547

TI **Cosmetic** compositions containing polymethoxyflavones

AB A **cosmetic** compn. comprises 0.00005-10% polymethoxyflavone having at least 4 methoxy groups. **Cosmetic** compns. in the form of lotions, milky lotions, oil-in-water creams, water-in-oil creams are preferable. Thus, the present invention provides **cosmetic** compns. that are excellent in the whitening effect, allow the skin to retain moisture for a long time, vitalize the.

ST **cosmetic** methoxyflavone; flavone methoxy **cosmetic**

IT Skin, disease
(aging, wrinkles; **cosmetic** compns. contg.

polymethoxyflavones)
 IT Citrus tachibana
 Cosmetics
 Rutaceae
 Skin
 (cosmetic compns. contg. polymethoxyflavones)
 IT **Cosmetics**
 (creams; **cosmetic** compns. contg. polymethoxyflavones)
 IT **Cosmetics**
 (lotions; **cosmetic** compns. contg. polymethoxyflavones)
 IT Flavones
 RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
 (methoxy; **cosmetic** compns. contg. polymethoxyflavones)
 IT **Cosmetics**
 (moisturizers; **cosmetic** compns. contg. polymethoxyflavones)
 IT **Cosmetics**
 (skin-lightening; **cosmetic** compns. contg. polymethoxyflavones)
 IT **478-01-3, 5,6,7,8,3',4'-Hexamethoxyflavone 481-53-8, 5,6,7,8,4'-Pentamethoxyflavone 1178-24-1, 3,5,6,7,8,3',4'-Heptamethoxyflavone 17290-70-9, 5,7,8,3',4'-Pentamethoxyflavone**
 RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
 (**cosmetic** compns. contg. polymethoxyflavones)
 IT 57-55-6, Propylene glycol, uses 64-17-5, Ethanol, uses 67-56-1, Methanol, uses 67-64-1, Acetone, uses 67-66-3, uses 71-23-8, 1-Propanol, uses 71-36-3, 1-Butanol, uses 107-88-0, 1,3-Butylene glycol 110-54-3, Hexane, uses 141-78-6, EtOAc, uses
 RL: NUU (Other use, unclassified); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)
 (**cosmetic** compns. contg. polymethoxyflavones)
 AB A **cosmetic** compn. comprises 0.00005-10% polymethoxyflavone having at least 4 methoxy groups. **Cosmetic** compns. in the form of lotions, milky lotions, oil-in-water creams, water-in-oil creams are preferable. Thus, the present invention provides **cosmetic** compns. that are excellent in the whitening effect, allow the skin to retain moisture for a long time, vitalize the skin, suppress wrinkles, and have excellent storage stability. Thus, a polymethoxyflavone, e.g., 5,6,7,8,3',4'-hexamethoxyflavone (I), was isolated from Citrus tachibana peels and identified by spectral studies. A formulation contained I 2, citrate monohydrate 0.1, and water to 100%.

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:631855 CAPLUS

DOCUMENT NUMBER: 133:217706

TITLE: Lipolytic agent as health food and **cosmetic** for treatment of obesity

INVENTOR(S): Ito, Hisatomi; Miyazaki, Toshiji; Kosaka, Kunio

PATENT ASSIGNEE(S): Nagase and Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000247880	A2	20000912	JP 1999-50342	19990226

TI Lipolytic agent as health food and **cosmetic** for treatment of

obesity

AB The lipolytic agent (I), isolated from Citrus unshiu, C. aurantium, or C. tachibana, is claimed as health food and **cosmetic** for treatment of obesity. Formulation examples of I were given.

ST lipolytic health food **cosmetic** antiobesity

IT Adipose tissue
(adipocyte; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT **Cosmetics**
(creams; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT **Cosmetics**
(emulsions; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT **Cosmetics**
(gels; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT Lipids, biological studies
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(lipolysis; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT Antiobesity agents
Citrus tachibana
Cosmetics
Health food
Satsuma
(lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT **Cosmetics**
(liqs.; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT Orange
(sour; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT Drug delivery systems
(tablets; lipolytic agent as health food and **cosmetic** for treatment of obesity)

IT **478-01-3**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(lipolytic agent as health food and **cosmetic** for treatment of obesity)

AB The lipolytic agent (I), isolated from Citrus unshiu, C. aurantium, or C. tachibana, is claimed as health food and **cosmetic** for treatment of obesity. Formulation examples of I were given.

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:520542 CAPLUS

DOCUMENT NUMBER: 122:273767

TITLE: **Cosmetic** composition containing a metal oxide nanopigment and an antioxidant for hair and skin protection

INVENTOR(S): Forestier, Serge; Hansenne, Isabelle; Petitdemange, Delphine

PATENT ASSIGNEE(S): Oreal S. A., Fr.

SOURCE: Fr. Demande, 31 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2708851	A1	19950217	FR 1993-9907	19930812
FR 2708851	B1	19950922		

OTHER SOURCE(S): MARPAT 122:273767

- TI **Cosmetic** composition containing a metal oxide nanopigment and an antioxidant for hair and skin protection
- AB A **cosmetic** compn. contains a metal oxide nanopigment, e.g. TiO₂, and an antioxidant, e.g. a polyphenol, for hair and skin protection. A.
- ST **cosmetic** metal oxide pigment antioxidant; sunscreen cream
titanium oxide Arlacel 780
- IT Antioxidants
Pigments
Sunscreens
(**cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Flavonoids
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Beeswax
(pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Amino acids, biological studies
Fatty acids, biological studies
Lecithins
Proteins, biological studies
Siloxanes and Silicones, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(aluminum salts, pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(amino, pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Surfactants
(anionic, pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(carboxy, alkyl derivs.; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT **Cosmetics**
(creams, **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)
- IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(fatty, pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

IT **Cosmetics**
(foundations, **cosmetic** compn. contg. a metal oxide
nanopigment and an antioxidant for hair and skin protection)

IT **Cosmetics**
(gels, **cosmetic** compn. contg. a metal oxide nanopigment and
an antioxidant for hair and skin protection)

IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(hydroxy, alkyl derivs.; **cosmetic** compn. contg. a metal oxide
nanopigment and an antioxidant for hair and skin protection)

IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(iron salts, pigments coated with; **cosmetic** compn. contg. a
metal oxide nanopigment and an antioxidant for hair and skin
protection)

IT **Cosmetics**
(lipsticks, **cosmetic** compn. contg. a metal oxide nanopigment
and an antioxidant for hair and skin protection)

IT **Cosmetics**
(lotions, **cosmetic** compn. contg. a metal oxide nanopigment
and an antioxidant for hair and skin protection)

IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(metal salts, pigments coated with; **cosmetic** compn. contg. a
metal oxide nanopigment and an antioxidant for hair and skin
protection)

IT **Cosmetics**
(mousses, **cosmetic** compn. contg. a metal oxide nanopigment
and an antioxidant for hair and skin protection)

IT **Cosmetics**
(nail lacquers, **cosmetic** compn. contg. a metal oxide
nanopigment and an antioxidant for hair and skin protection)

IT Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(polyhydric, **cosmetic** compn. contg. a metal oxide nanopigment
and an antioxidant for hair and skin protection)

IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(polyhydric, pigments coated with; **cosmetic** compn. contg. a
metal oxide nanopigment and an antioxidant for hair and skin
protection)

IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(potassium salts, pigments coated with; **cosmetic** compn.
contg. a metal oxide nanopigment and an antioxidant for hair and skin
protection)

IT **Cosmetics**
(powders, **cosmetic** compn. contg. a metal oxide nanopigment
and an antioxidant for hair and skin protection)

IT Polyphosphoric acids
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(sodium salts, **cosmetic** compn. contg. a metal oxide
nanopigment and an antioxidant for hair and skin protection)

IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(sodium salts, pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

IT **Cosmetics**

(sprays, **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

IT **Cosmetics**

(sticks, **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

IT **Cosmetics**

(suspensions, **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

IT Fatty acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(zinc salts, pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

IT 57-11-4, Stearic acid, biological studies 102-71-6, Triethanolamine, biological studies 117-39-5, Quercetin 153-18-4, Rutin 154-23-4, Catechin 331-39-5D, amides and esters 480-18-2, Taxifolin 480-40-0, Chrysin 480-41-1, Naringenine **481-53-8**, Tangeretin 490-46-0, Epicatechin 491-70-3, Luteolin 520-18-3, Kaempferol 528-48-3, Fisetin 548-83-4, Galangin 552-58-9, Eriodictyol 557-05-1, Zinc stearate 598-53-8D, Methyl isopropyl ether, perfluoropolymer derivs. 637-12-7, Aluminum stearate 863-03-6, Epicatechin gallate 970-73-0, Gallocatechin 970-74-1, Epigallocatechin 989-51-5, Epigallocatechin gallate 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1332-37-2, Iron oxide, biological studies 1344-28-1, Aluminum oxide, biological studies 3650-09-7, Carnosic acid 5136-76-5, Iron stearate 5957-80-2, Carnosol 7230-93-5, Aluminum laurate 11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies 100668-12-0

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(**cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

IT 7631-86-9, Silicon dioxide, biological studies 9002-88-4, Polyethylene
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(pigments coated with; **cosmetic** compn. contg. a metal oxide nanopigment and an antioxidant for hair and skin protection)

AB A **cosmetic** compn. contains a metal oxide nanopigment, e.g. TiO₂, and an antioxidant, e.g. a polyphenol, for hair and skin protection. A sunscreen cream contained Arlacel 780 5, vaseline oil 20, MT100F (coated TiO₂) 10, Supextrat 1, MgSO₄ 0.7, glycerin 5, preservatives q.s., and water q.s. 100g.

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:173131 CAPLUS

DOCUMENT NUMBER: 120:173131

TITLE: **Cosmetic** compositions containing flavonoids

INVENTOR(S): Beck, Irena; Hocquaux, Michel; Tournaire, Cecile

PATENT ASSIGNEE(S): Oreal S. A., Fr.

SOURCE: Fr. Demande, 14 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

FR 2687572 A1 19930827 FR 1992-2247 19920226
FR 2687572 B1 19950609

OTHER SOURCE(S): MARPAT 120:173131

TI **Cosmetic** compositions containing flavonoids
AB **Cosmetic** compns. contg. flavonoids which have a double bond on position 2,3 and OH on position 3 are used for protection.
ST flavonoid **cosmetic** compn skin protection; catechin
cosmetic cream skin protection
IT Flavonoids
RL: BIOL (Biological study)
(**cosmetic** compn. contg., for skin protection)
IT Radicals, biological studies
RL: BIOL (Biological study)
(free, scavengers of, **cosmetic** compn. contg. flavonoids and, for skin protection)
IT **Cosmetics**
(creams, flavonoids in, for skin protection)
IT 9054-89-1, Superoxidase dismutase
RL: BIOL (Biological study)
(**cosmetic** compn. contg. flavonoids and, for skin protection)
IT 153-18-4, Rutin 154-23-4, Catechin 480-18-2, Taxifolin 480-40-0, Chrysin 480-41-1, Narigenin **481-53-8**, Tangeretin 490-46-0, Epicatechin 491-70-3, Luteolin 552-58-9, Eriodictyol 970-74-1, Epigallocatechin 989-51-5, Epigallocatechin gallate 7085-55-4, Troxerutin
RL: BIOL (Biological study)
(**cosmetic** compn. contg., for skin protection)
IT 59-02-9, .alpha.-Tocopherol 59-02-9D, .alpha.-Tocopherol, derivs. 432-70-2, .alpha.-Carotene 432-70-2D, .alpha.-Carotene, derivs. 21246-18-4, Cupric 3,5-diisopropyl salicylate 78418-01-6, 5-Octanoylsalicylic acid
RL: BIOL (Biological study)
(scavengers of, **cosmetic** compn. contg. flavonoids and, for skin protection)
AB **Cosmetic** compns. contg. flavonoids which have a double bond on position 2,3 and OH on position 3 are used for protection of the skin (Markush structure given). A cream contained Sinowax AO 7, Gelcol 2, cetyl alc. 1.5, iso-Pr myristate 1.5, vaseline 15.0, propylene glycol 10.0, glycerin 10.0, catechin 0.5, preservatives q.s. and water q.s. 100g.

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.21	26.34
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.72	-3.72

FILE 'REGISTRY' ENTERED AT 10:09:45 ON 12 NOV 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 NOV 2002 HIGHEST RN 472955-11-6
DICTIONARY FILE UPDATES: 10 NOV 2002 HIGHEST RN 472955-11-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e ellagic

E1	1	ELLAGENE/BI
E2	1	ELLAGI/BI
E3	34 -->	ELLAGIC/BI
E4	1	ELLAGIGALLO/BI
E5	1	ELLAGIGALLOTANNIC/BI
E6	1	ELLAGIGALLOTANNINS/BI
E7	1	ELLAGITANNIC/BI
E8	1	ELLAGITANNINS/BI
E9	3	ELLAGORU/BI
E10	3	ELLAGORUBI/BI
E11	3	ELLAGORUBIN/BI
E12	3	ELLAMIDE/BI

=> e ellagic acid

E1	1	ELLAGI/BI
E2	34	ELLAGIC/BI
E3	0 -->	ELLAGIC ACID/BI
E4	1	ELLAGIGALLO/BI
E5	1	ELLAGIGALLOTANNIC/BI
E6	1	ELLAGIGALLOTANNINS/BI
E7	1	ELLAGITANNIC/BI
E8	1	ELLAGITANNINS/BI
E9	3	ELLAGORU/BI
E10	3	ELLAGORUBI/BI
E11	3	ELLAGORUBIN/BI
E12	3	ELLAMIDE/BI

=> s ellagic acid

	34	ELLAGIC
	5631921	ACID
	7856	ACIDS
	5637641	ACID
		(ACID OR ACIDS)
L6	34	ELLAGIC ACID
		(ELLAGIC(W)ACID)

=> d L6 1

L6 ANSWER 1 OF 34 REGISTRY COPYRIGHT 2002 ACS

RN 132412-92-1 REGISTRY

CN [1]Benzopyrano[5,4,3-cde][1]benzopyran-5,10-dione, 2,7-bis(acetyloxy)-3,8-diethoxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **4,4'-Di-O-acetyl-3,3'-O-ethylellagic acid**

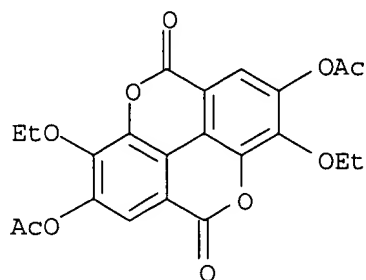
FS 3D CONCORD

MF C22 H18 O10

SR CA

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.10	37.44

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.72

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 10:12:10 ON 12 NOV 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 12 Nov 2002 VOL 137 ISS 20
FILE LAST UPDATED: 11 Nov 2002 (20021111/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s L6
L7 1316 L6

=> d L3 and L6
L6 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> s L3 and L7

372 L3
L8 3 L3 AND L7

=> d his

(FILE 'HOME' ENTERED AT 10:00:46 ON 12 NOV 2002)

FILE 'REGISTRY' ENTERED AT 10:00:58 ON 12 NOV 2002

L1 1 S 481-53-8/RN
L2 1 S 478-01-3/RN
L3 2 S L1 OR L2

FILE 'CAPLUS' ENTERED AT 10:01:56 ON 12 NOV 2002

L4 372 S L3
L5 6 S L4 AND COSMETIC

FILE 'REGISTRY' ENTERED AT 10:09:45 ON 12 NOV 2002

E ELLAGIC
E ELLAGIC ACID
L6 34 S ELLAGIC ACID

FILE 'CAPLUS' ENTERED AT 10:12:10 ON 12 NOV 2002

L7 1316 S L6
L8 3 S L3 AND L7

=> d L8 1-3

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
AN 2002:649975 CAPLUS
DN 137:190381
TI Skin-lightening cosmetics containing polymethoxyflavones and fatty acids
IN Ishida, Misaki; Hayashi, Shinji; Hashizume, Satoshi
PA Nof Corporation, Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241213	A2	20020828	JP 2001-39744	20010216
OS	MARPAT 137:190381				

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS
AN 1999:172375 CAPLUS
DN 130:295991
TI Antioxidant property of dietary phenolic agents in a human LDL-oxidation
ex vivo model: interaction of protein binding activity
AU Wang, Weigun; Goodman, Marc T.
CS Cancer Research Center, University of Hawaii, Honolulu, HI, 96813, USA
SO Nutrition Research (New York) (1999), 19(2), 191-202
CODEN: NTRSDC; ISSN: 0271-5317
PB Elsevier Science Inc.
DT Journal
LA English
RE. CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
AN 1984:81037 CAPLUS
DN 100:81037
TI Inhibition of the mutagenicity of bay-region diol-epoxides of polycyclic
aromatic hydrocarbons by phenolic plant flavonoids

AU Huang, Mou Tuan; Wood, Alexander W.; Newmark, Harold L.; Sayer, Jane M.;
Yagi, Haruhiko; Jerina, Donald M.; Conney, Allan H.
CS Dep. Biochem. Drug Metab., Hoffmann-La Roche Inc., Nutley, NJ, 07110, USA
SO Carcinogenesis (London) (1983), 4(12), 1631-7
CODEN: CRNGDP; ISSN: 0143-3334
DT Journal
LA English

=> s placenta or placental

33148 PLACENTA
3234 PLACENTAS
749 PLACENTAE
33786 PLACENTA
(PLACENTA OR PLACENTAS OR PLACENTAE)
24923 PLACENTAL
32 PLACENTALS
24940 PLACENTAL
(PLACENTAL OR PLACENTALS)

L9 42822 PLACENTA OR PLACENTAL

=> s L4 and L9

L10 3 L4 AND L9

=> d L10 1-3

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

AN 2002:649975 CAPLUS

DN 137:190381

TI Skin-lightening cosmetics containing polymethoxyflavones and fatty acids

IN Ishida, Misaki; Hayashi, Shinji; Hashizume, Satoshi

PA Nof Corporation, Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241213	A2	20020828	JP 2001-39744	20010216
OS	MARPAT 137:190381				

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

AN 2001:153395 CAPLUS

DN 134:265673

TI Mechanisms involved in the chemoprevention of flavonoids

AU Siess, Marie-Helene; Le Bon, Anne-Marie; Canivenc-Lavier, Marie-Chantal;
Suschetet, Marc

CS Unite de Toxicologie Nutritionnelle, Institut National de la Recherche
Agronomique, Dijon, 21034, Fr.

SO BioFactors (2000), 12(1-4), 193-199

CODEN: BIFAEU; ISSN: 0951-6433

PB IOS Press

DT Journal

LA English

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

AN 1996:703446 CAPLUS

DN 126:27893

TI Lack of tumor-promoting effects of flavonoids: Studies on rat liver
preneoplastic foci and on in vivo and in vitro gap junctional

intercellular communication

AU Chaumontet, Catherine; Suschetet, Marc; Honikman-Leban, Esther;
 Krutovskikh, Vladimir A.; Berges, Raymond; Le Bon, Anne-Marie; Heberden,
 Christine; Shahin, Majdi M.; Yamasaki, Hiroshi; Martel, Paule

CS Laboratoire de Nutrition et Securite Alimentaire, Institut National de la
 Recherche Agronomique, Jouy-en-Josqs, 78352, Fr.

SO Nutrition and Cancer (1996), 26(3), 251-263
 CODEN: NUCADQ; ISSN: 0163-5581

PB Lawrence Erlbaum Associates, Inc.

DT Journal

LA English

=> file registry

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	10.57	48.01
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.72

FILE 'REGISTRY' ENTERED AT 10:14:36 ON 12 NOV 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 10 NOV 2002 HIGHEST RN 472955-11-6
 DICTIONARY FILE UPDATES: 10 NOV 2002 HIGHEST RN 472955-11-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
 PROPERTIES for more information. See STNnote 27, Searching Properties
 in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s kojic acid

60 KOJIC
 5631921 ACID
 7856 ACIDS
 5637641 ACID
 (ACID OR ACIDS)

L11 60 KOJIC ACID
 (KOJIC(W)ACID)

=> s hydroquinone

L12 4368 HYDROQUINONE

=> s ascorbic or ascorbate

3389 ASCORBIC
 359 ASCORBATE

L13 3604 ASCORBIC OR ASCORBATE

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	20.76	68.77
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-3.72

FILE 'CAPLUS' ENTERED AT 10:15:37 ON 12 NOV 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 12 Nov 2002 VOL 137 ISS 20
 FILE LAST UPDATED: 11 Nov 2002 (20021111/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> s L4 and ascorbic
      69790 ASCORBIC
L14      4 L4 AND ASCORBIC
```

```
=> s L4 and ascorbate
      29142 ASCORBATE
      534 ASCORBATES
      29354 ASCORBATE
      (ASCORBATE OR ASCORBATES)
L15      1 L4 AND ASCORBATE
```

```
=> s L14 or L15
L16      4 L14 OR L15
```

```
=> d L4 1-4
```

```
L4  ANSWER 1 OF 372  CAPLUS  COPYRIGHT 2002 ACS
AN  2002:688094  CAPLUS
DN  137:221780
TI  Method for prevention of decomposition of citral in cosmetics or foods
IN  Muranishi, Shuichi; Ueno, Kazuo; Kiyohara, Susumu; Masuda, Hideki
PA  Ogawa and Co., Ltd., Japan
SO  Jpn. Kokai Tokkyo Koho, 16 pp.
    CODEN: JKXXAF
DT  Patent
LA  Japanese
FAN.CNT 1
      PATENT NO.      KIND  DATE      APPLICATION NO.  DATE
```

PI	JP 2002255778	A2	20020911	JP 2001-51923	20010227
----	---------------	----	----------	---------------	----------

L4 ANSWER 2 OF 372 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:649975 CAPLUS
 DN 137:190381
 TI Skin-lightening cosmetics containing polymethoxyflavones and fatty acids
 IN Ishida, Misaki; Hayashi, Shinji; Hashizume, Satoshi
 PA Nof Corporation, Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241213	A2	20020828	JP 2001-39744	20010216
OS	MARPAT 137:190381				

L4 ANSWER 3 OF 372 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:539522 CAPLUS
 DN 137:73267
 TI Compositions and methods for regulating lipoproteins and hypercholesterolemia with limonoids, flavonoids, and tocotrienols
 IN Guthrie, Najla; Kurowska, Elzbieta Maria
 PA KGK Synergize, Can.
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002055071	A1	20020718	WO 2001-IB256	20010115
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 372 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:521480 CAPLUS
 DN 137:73247
 TI Composition containing flavonoids for treatment brain disorders
 IN Rooprai, Harcharan Kaur; Dexter, David; Pilkington, Geoffrey John
 PA Imperial College of Science, Technology & Medicine, UK; Kings College London
 SO PCT Int. Appl., 78 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053152	A1	20020711	WO 2001-GB56	20010108
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				

HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L13
 L17 53257 L13

=> s L11
 L18 1338 L11

=> s L12
 L19 66053 L12

=> s L4 and L18
 L20 2 L4 AND L18

=> d L20 1-2

L20 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

AN 2002:649975 CAPLUS

DN 137:190381

TI Skin-lightening cosmetics containing polymethoxyflavones and fatty acids

IN Ishida, Misaki; Hayashi, Shinji; Hashizume, Satoshi

PA Nof Corporation, Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241213	A2	20020828	JP 2001-39744	20010216
OS	MARPAT 137:190381				

L20 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

AN 1998:31416 CAPLUS

DN 128:88155

TI Method of screening foods for nutraceuticals

IN Ghai, Geetha; Boyd, Charles; Csiszar, Katalin; Ho, Chi-Tang; Rosen, Robert T.

PA Rutgers, the State University of New Jersey, USA; Ghai, Geetha; Boyd, Charles; Csiszar, Katalin; Ho, Chi-Tang; Rosen, Robert T.

SO PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9748823	A1	19971224	WO 1997-US10368	19970620

W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH,
 HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK,
 MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA,
 US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,

GN, ML, MR, NE, SN, TD, TG

US 5955269	A	19990921	US 1996-670826	19960620
CA 2258821	AA	19971224	CA 1997-2258821	19970620
AU 9733950	A1	19980107	AU 1997-33950	19970620
EP 954609	A1	19991110	EP 1997-930022	19970620

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

PRAI US 1996-670826 19960620
WO 1997-US10368 19970620

=> s L4 and L19

L21 13 L4 AND L19

=> d L21 1-13

L21 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2002:649975 CAPLUS

DN 137:190381

TI Skin-lightening cosmetics containing polymethoxyflavones and fatty acids

IN Ishida, Misaki; Hayashi, Shinji; Hashizume, Satoshi

PA Nof Corporation, Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241213	A2	20020828	JP 2001-39744	20010216
OS	MARPAT 137:190381				

L21 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2002:97687 CAPLUS

DN 137:88400

TI A neural network based virtual screening of cytochrome P450 3A4 inhibitors

AU Molnar, Laszlo; Keseru, Gyorgy M.

CS Computer Assisted Drug Discovery, Gedeon Richter Ltd., Budapest, H-1475, Hung.

SO Bioorganic & Medicinal Chemistry Letters (2002), 12(3), 419-421

CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2002:10211 CAPLUS

DN 136:69089

TI Confectionery product containing active ingredients

IN Bell, David Alan; Pickford, Emma

PA Societe des Produits Nestle S.A., Switz.

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002000033	A1	20020103	WO 2001-EP6363	20010606
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI GB 2000-16173 A 20000630

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2000:661792 CAPLUS

DN 133:349576

TI Inhibition of .beta.-carotene-15,15'-dioxygenase activity by dietary
 flavonoids

AU Nagao, Akihiko; Maeda, Maki; Lim, Boey Peng; Kobayashi, Hidetaka; Terao,
 Junji

CS National Food Research Institute, Ministry of Agriculture, Forestry and
 Fisheries, Tsukuba, Ibaraki, 305-8642, Japan

SO Journal of Nutritional Biochemistry (2000), 11(6), 348-355

CODEN: JNBIEL; ISSN: 0955-2863

PB Elsevier Science Inc.

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 1999:172375 CAPLUS

DN 130:295991

TI Antioxidant property of dietary phenolic agents in a human LDL-oxidation
 ex vivo model: interaction of protein binding activity

AU Wang, Weiqun; Goodman, Marc T.

CS Cancer Research Center, University of Hawaii, Honolulu, HI, 96813, USA

SO Nutrition Research (New York) (1999), 19(2), 191-202

CODEN: NTRSDC; ISSN: 0271-5317

PB Elsevier Science Inc.

DT Journal

LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 1998:708961 CAPLUS

DN 129:335781

TI Stabilized medicaments containing cysteinyl derivatives

IN Stanislaus, Fritz

PA Klinge Pharma G.m.b.H., Germany

SO PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9847534	A1	19981029	WO 1997-EP1941	19970418
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,			
		DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,			
		LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,			
		PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ,			
		VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,			

GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,
ML, MR, NE, SN, TD, TG

AU 9723879	A1	19981113	AU 1997-23879	19970418
EP 971743	A1	20000119	EP 1997-919382	19970418

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

JP 2001524087	T2	20011127	JP 1998-544767	19970418
US 2002037855	A1	20020328	US 2001-816769	20010322

PRAI US 2000-403160 B1 20000505

WO 1997-EP1941 A 19970418

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 1998:628925 CAPLUS
DN 130:24875
TI Synthesis of nobiletin
AU Chen, Wanmu
CS Teaching and Research Section of Chemistry, Lanzhou Medical College,
Lanzhou, 730000, Peop. Rep. China
SO Zhongguo Yaoxue Zazhi (Beijing) (1998), 33(7), 431-433
CODEN: ZYZAEU; ISSN: 1001-2494
PB Zhongguo Yaoxuehui
DT Journal
LA Chinese

L21 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 1998:126145 CAPLUS
DN 128:228470
TI Studies on the chemical constituents Yengmaoercao (Hedyotis lindleyanu)
AU Peng, Jiangnan; Feng, Xiaozhang; Liang, Xiaotian
CS Institute of Materia Medica, Chinese Academy of Medical Sciences, Beijing,
100050, Peop. Rep. China
SO Zhongcaoyao (1997), 28(10), 581-583
CODEN: CTYAD8; ISSN: 0253-2670
PB Guojia Yiyao Guanliju Tianjin Yaowu Yanjiusuo
DT Journal
LA Chinese

L21 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 1997:338808 CAPLUS
DN 127:4943
TI A new synthetic route to nobiletin
AU Chen, Wan Mu
CS Section of Chemistry, Lanzhou Medical College, Gausu, 730 000, Peop. Rep.
China
SO Indian Journal of Heterocyclic Chemistry (1997), 6(3), x221-222
CODEN: IJCHEI; ISSN: 0971-1627
PB Lucknow University, Dep. of Chemistry
DT Journal
LA English
OS CASREACT 127:4943

L21 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 1984:207947 CAPLUS
DN 100:207947
TI Mass spectral analysis of some naturally occurring polymethoxyflavones
AU Rizzi, George P.; Boeing, Sally S.
CS Miami Valley Lab., Procter and Gamble Co., Cincinnati, OH, 45247, USA
SO J. Agric. Food Chem. (1984), 32(3), 551-5
CODEN: JAFCAU; ISSN: 0021-8561
DT Journal
LA English

L21 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1978:503684 CAPLUS
 DN 89:103684
 TI Flavonoids of the citrus cultivar calamondin and synthetic
 2',.beta.-dihydroxychalcones
 AU Tatum, James H.; Berry, Robert E.
 CS US Citrus Subtrop. Prod. Lab., Winter Haven, Fla., USA
 SO Phytochemistry (1978), 17(3), 447-9
 CODEN: PYTCAS; ISSN: 0031-9422
 DT Journal
 LA English

L21 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1963:73197 CAPLUS
 DN 58:73197
 OREF 58:12505h,12506a-c
 TI Flavonoid components of citrus. II. 5,6,7,8,4'-Pentamethoxyflavone
 (ponkanetin) from Citrus deliciosa
 AU Bellino, Aurora; Venturella, Pietro; Cusmano, Sigismondo
 CS Univ. Palermo, Italy
 SO Ann. Chim. (Rome) (1962), 52, 795-801
 DT Journal
 LA Unavailable

L21 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1962:53286 CAPLUS
 DN 56:53286
 OREF 56:10080h-i,10081a-i,10082a-b
 TI Structure and synthesis of xanthomicrol
 AU Stout, George H.; Stout, Virginia Falk
 CS Univ. of Washington, Seattle
 SO Tetrahedron (1961), 14, 296-303
 DT Journal
 LA Unavailable

=> s L4 and L17
 L22 7 L4 AND L17

=> d L22 1-7

L22 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:649975 CAPLUS
 DN 137:190381
 TI Skin-lightening cosmetics containing polymethoxyflavones and fatty acids
 IN Ishida, Misaki; Hayashi, Shinji; Hashizume, Satoshi
 PA Nof Corporation, Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2002241213	A2	20020828	JP 2001-39744	20010216
OS	MARPAT 137:190381				

L22 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:71884 CAPLUS
 DN 136:112639
 TI Nutraceutical natural product composition for cancer treatment
 IN Clayton, Paul Rodney; Rooperai, Harcharan; Dexter, David

PA Forum Bioscience, UK
SO PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002005827	A2	20020124	WO 2001-GB3150	20010718
	WO 2002005827	A3	20020718		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	GB 2000-17620	A	20000718		
	GB 2000-23574	A	20000926		
	GB 2000-26600	A	20001031		

L22 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 2001:338337 CAPLUS
DN 134:357559
TI Modification of cholesterol concentrations with citrus phytochemicals
IN McGill, Carla R.; Green, Nancy R.
PA Tropicana Products, Inc., USA
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001032160	A2	20010510	WO 2000-US41784	20001101
	WO 2001032160	A3	20020321		
	W:	AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 2002006953	A1	20020117	US 1999-435304	19991105
PRAI	US 1999-435304	A	19991105		

L22 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 2001:208119 CAPLUS
DN 134:236643
TI Stable carotene-xanthophyll beadlet compositions and methods of use
IN Lang, John C.
PA Alcon Universal Ltd., Switz.
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

PI WO 2001019383 A1 20010322 WO 2000-US24439 20000906
 W: AU, BR, CA, JP, MX, TR, US
 RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE
 EP 1212071 A1 20020612 EP 2000-959942 20000906
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI, CY
 PRAI US 1999-397472 A 19990917
 WO 2000-US24439 W 20000906
 RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:661792 CAPLUS
 DN 133:349576
 TI Inhibition of .beta.-carotene-15,15'-dioxygenase activity by dietary
 flavonoids
 AU Nagao, Akihiko; Maeda, Maki; Lim, Boey Peng; Kobayashi, Hidetaka; Terao,
 Junji
 CS National Food Research Institute, Ministry of Agriculture, Forestry and
 Fisheries, Tsukuba, Ibaraki, 305-8642, Japan
 SO Journal of Nutritional Biochemistry (2000), 11(6), 348-355
 CODEN: JNBIEL; ISSN: 0955-2863
 PB Elsevier Science Inc.
 DT Journal
 LA English
 RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:708961 CAPLUS
 DN 129:335781
 TI Stabilized medicaments containing cysteinyl derivatives
 IN Stanislaus, Fritz
 PA Klinge Pharma G.m.b.H., Germany
 SO PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9847534	A1	19981029	WO 1997-EP1941	19970418
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9723879	A1	19981113	AU 1997-23879	19970418
EP 971743	A1	20000119	EP 1997-919382	19970418
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001524087	T2	20011127	JP 1998-544767	19970418
US 2002037855	A1	20020328	US 2001-816769	20010322
PRAI US 2000-403160	B1	20000505		
WO 1997-EP1941	A	19970418		
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L22 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:227535 CAPLUS
 DN 114:227535
 TI Chemical characterization by liquid chromatography of moro blood orange
 juices
 AU Lee, H. S.; Carter, R. D.; Barros, S. M.; Dezman, D. J.; Castle, W. S.
 CS Florida Dep. Citrus, Univ. Florida, Lake Alfred, FL, 33850, USA
 SO Journal of Food Composition and Analysis (1990), 3(1), 9-19
 CODEN: JFCAEE; ISSN: 0889-1575
 DT Journal
 LA English

=> file stng

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	32.45	101.22
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.72

FILE 'STNGUIDE' ENTERED AT 10:22:28 ON 12 NOV 2002
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Nov 8, 2002 (20021108/UP).

=> d his

(FILE 'HOME' ENTERED AT 10:00:46 ON 12 NOV 2002)

FILE 'REGISTRY' ENTERED AT 10:00:58 ON 12 NOV 2002

L1 1 S 481-53-8/RN
 L2 1 S 478-01-3/RN
 L3 2 S L1 OR L2

FILE 'CAPLUS' ENTERED AT 10:01:56 ON 12 NOV 2002

L4 372 S L3
 L5 6 S L4 AND COSMETIC

FILE 'REGISTRY' ENTERED AT 10:09:45 ON 12 NOV 2002

E ELLAGIC
 E ELLAGIC ACID
 L6 34 S ELLAGIC ACID

FILE 'CAPLUS' ENTERED AT 10:12:10 ON 12 NOV 2002

L7 1316 S L6
 L8 3 S L3 AND L7
 L9 42822 S PLACENTA OR PLACENTAL
 L10 3 S L4 AND L9

FILE 'REGISTRY' ENTERED AT 10:14:36 ON 12 NOV 2002

L11 60 S KOJIC ACID
 L12 4368 S HYDROQUINONE
 L13 3604 S ASCORBIC OR ASCORBATE

FILE 'CAPLUS' ENTERED AT 10:15:37 ON 12 NOV 2002

L14 4 S L4 AND ASCORBIC
 L15 1 S L4 AND ASCORBATE
 L16 4 S L14 OR L15

L17 53257 S L13
L18 1338 S L11
L19 66053 S L12
L20 2 S L4 AND L18
L21 13 S L4 AND L19
L22 7 S L4 AND L17

FILE 'STNGUIDE' ENTERED AT 10:22:28 ON 12 NOV 2002